

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10081953
Filing Date	2002-02-22
First Named Inventor	Hennen et al.
Art Unit	1648
Examiner Name	S. Chen
Attorney Docket Number	4428.2US (4Life-1-US-D2)

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	3	ARAMAKI et al., "Presence of Activated B-1 Cells in Chronic Inflamed Gingival Tissue," Journal of Clinical Immunology, 1998;18(6):421-429.	<input type="checkbox"/>
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	9	DAVIDSON et al., "Passive immunisation of children with bovine colostrum containing antibodies to human rotavirus," Lancet. 1989 Sep 23;2(8665):709-712 (Abstract).	<input type="checkbox"/>
	10	DEFRANCO, "B-cell activation 2000," Immunological Reviews 2000, 2000;176:5-9.	<input type="checkbox"/>
	11	DUNNICK et al., "Lack of Antigen Fragments in Guinea Pig Transfer Factor-like Activity," Clinical Immunology, and Immunopathology, 1980;17:55-65.	<input type="checkbox"/>
	12	EBINA et al., "Prevention of rotavirus infection by oral administration of cow colostrum containing antihumanrotavirus antibody," Med Microbiol Immunol (Berl). 1985;174(4):177-185 (Abstract).	<input type="checkbox"/>
	13	FAYER et al., "Hyperimmune bovine colostrum neutralizes Cryptosporidium sporozoites and protects mice against oocyst challenge," J Parasitol. 1989 Feb;75(1):151-153 (Abstract).	<input type="checkbox"/>

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	14	GALILI et al., "Interaction Between Human Natural Anti-a-Galactosyl Immunoglobulin G. and Bacteria of the Human Flora," Infection and Immunity, July 1988 Jul;56(7):1730-1737.	<input type="checkbox"/>
	15	Gel Filtration: Theory and Practice, Pharmacia Fine Chemicals (Editor), 1980, page 9.	<input type="checkbox"/>
	16	GOLAY et al., "Cholesterol-lowering effect of skim milk from immunized cows in hypercholesterolemic patients," Am J Clin Nutr. 1990 Dec;52(6):1014-1019 (Abstract).	<input type="checkbox"/>
	17	GOUGH et al., "Immune responses of breeding chickens to trivalent oil emulsion vaccines: Responses to infectious bronchitis," The Veterinary Record. 1981 Jan 31;108:99-101.	<input type="checkbox"/>
	18	GRIEVE et al., "Dirofilaria Immitis: Cell-Mediated and Humoral Immune Responses in Experimentally-Infected Dogs," International Journal for Parasitology, 1979;9:275-279.	<input type="checkbox"/>
	19	GUTIERREZ et al., "Chapter 3: Nutritive Evaluation of Hen Eggs," Hen Eggs – Their Basic and Applied Science. (1997) pp. 25-35.	<input type="checkbox"/>
	20	HANSEN et al., "The Occurrence and Sources of Natural Antibody in Human Bile and Serum Against the O Antigens of Two Escherichia coli Serotypes," Scand. J. Immunol., 1990;32:537-544.	<input type="checkbox"/>
	21	KHAN et al., "Porcine 987P glycolipid receptors on intestinal brush borders and their cognate bacterial ligands," Infect Immun. 1996 Sep;64(9):3688-3693 (abstract).	<input type="checkbox"/>
	22	KIRKPATRICK, "Activities and Characteristics of Transfer Factors", Biotherapy, 1996;9(13-16):13-16.	<input type="checkbox"/>
	23	KUBY, "Cell-Mediated and Humoral Effector Responses," Immunology, 1997, chapter 16, pp. 393-398.	<input type="checkbox"/>
	24	LAWRENCE et al., "Transfer Factor in Delayed Hypersensitivity," Annals of the New York Academy of Sciences, 1970 Feb 13;169(1):269-279.	<input type="checkbox"/>

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	25	MACPHERSON et al., "A Primitive T Cell-Independent Mechanism of Intestinal Mucosal IgA Responses to Commensal Bacteria," <i>Science</i> , 2000 Jun;288:2222-2226.	<input type="checkbox"/>
	26	MIETENS et al., "Treatment of infantile E. coli gastroenteritis with specific bovine anti-E. coli milk immunoglobulins," <i>Eur J. Pediatr.</i> 1979;132(4):239-252 (Abstract).	<input type="checkbox"/>
	27	MOSS et al., "Candidate vaccines for Epstein-Barr virus," <i>British Medical Journal</i> , 1998 Aug;317:423-424.	<input type="checkbox"/>
	28	NAGY, "Enterotoxigenic Escherichia coli (ETEC) in farm animals," <i>Vet Res.</i> 1999 Mar-Jun;30(2-3):259-284 (abstract).	<input type="checkbox"/>
	29	Newcastle Disease Virus, National Cancer Institute website printed out on October 22, 2004: <a href="http://www.nci.nih.gov/cancer_information/doc.aspx?viewid=284ad06f-682d-43df-bccf-4943a09c1e98">http://www.nci.nih.gov/cancer_information/doc.aspx?viewid=284ad06f-682d-43df-bccf-4943a09c1e98</a> .	<input type="checkbox"/>
	30	NEZLIN, "The Immunoglobulins Structure and Function," Department of Immunology, The Weizmann Institute of Science, Rehovot, Israel, 1998 4 pages.	<input type="checkbox"/>
	31	ORMROD et al., "The anti-inflammatory activity of a low molecular weight component derived from the milk of hyperimmunized cows," <i>Agents and Actions.</i> 1991;32:160-166.	<input type="checkbox"/>
	32	ORMROD et al., "Milk from hyperimmunized dairy cows as a source of a novel biological response modifier," <i>Agents Actions Special Conference Issue.</i> 1993;38:146-149.	<input type="checkbox"/>
	33	OWENS et al., "Effect of a milk-derived factor on the inflammatory response to <i>Staphylococcus aureus</i> intramammary infection," <i>Veterinary Immunology and Immunopathology.</i> 1992;30:233-246.	<input type="checkbox"/>
	34	OWENS et al., "Evaluation of an Anti-Inflammatory Factor Derived from Hyperimmunized Cows," <i>Proceedings of the Society for Experimental Biology and Medicine.</i> 1988;190:79-86.	<input type="checkbox"/>
	35	PETERSEN et al., "Murine Transfer Factor, Description of the model and Evidence for Specificity," <i>The Journal of Immunology</i> , 1981 Jun;126(6):2480-2484.	<input type="checkbox"/>

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	36	PRICE et al., "Reactivation of Latent Herpes Simplex Virus Infection of the Autonomic Nervous System by Postganglionic Neurectomy," <i>Infection and Immunity</i> , 1978 Feb;19(2):523-532.	<input type="checkbox"/>
	37	ROITT et al., <i>Immunology</i> , 1989, pp. 15.5-15.16.	<input type="checkbox"/>
	38	SEWELL et al., "The Natural Antibody Response to E. coli Includes Antibodies of the IgD Class," <i>Clin. Esp. Immunol.</i> , 1978;31:104-110.	<input type="checkbox"/>
	39	SHARPE et al., "Cholesterol-lowering and blood pressure effects of immune milk," <i>Am J Clin Nutr.</i> 1994 Apr;59(4):929-934 (Abstract).	<input type="checkbox"/>
	40	SINGH, G., "Determination of antibody levels in egg-yolks from laying hens vaccinated against Newcastle disease," <i>Indian Journal of Animal Sciences.</i> 1995 Apr;65(4):388-392.	<input type="checkbox"/>
	41	SKARNES, "Humoral Bactericidal Systems: Nonspecific and Specific Mechanisms, <i>Infection and Immunity</i> ," 1978 Feb;19(2):555-522.	<input type="checkbox"/>
	42	SNAPPER et al., "An In Vitro Model for T Cell-Independent Induction of Humoral Immunity," <i>Journal of Immunology</i> , pp. 4884-4892.	<input type="checkbox"/>
	43	SONG et al., "Light Chain of Natural Antibody Plays a Dominant Role in Protein Antigen Binding, <i>Biochemical and Biophysical Research Communications</i> ," 2000;268:390-394.	<input type="checkbox"/>
	44	STAAF et al., "Structure determination of the O-antigenic polysaccharide from the enterotoxigenic <i>Escherichia coli</i> (ETEC) O101," <i>Carbohydr Res</i> 1997 Jan 17;297(3):297-299.	<input type="checkbox"/>
	45	STELWAGEN et al., "An anti-inflammatory component derived from milk of hyperimmunized cows reduces tight junction permeability in vitro," <i>Inflammation Research.</i> 1998;47:384-388.	<input type="checkbox"/>
	46	SYMMERS et al., "Antitoxin Treatment of Erysipelas," <i>CID</i> 1995 Jul;21:152-161.	<input type="checkbox"/>

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	47	TSANG et al., "Transfer Factor and Other T Cell Products," Springer Seminars in Immunopathology, 1986;9:19-32.	<input type="checkbox"/>
	48	WAWRZYNCZAK, "Antibody Therapy," Rothschild Bioscience Unit, BIOS Scientific, London, 1995, pp. 9-11.	<input type="checkbox"/>

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